

KLIC Hardware Support (KLIC Certificate in IT Hardware Support)

Hardware Support



Skills: Identifying PC Components, Identifying System Unit Components, Identifying Storage Devices, Assembling a PC, Installing and Configuring a Printer, Troubleshooting and Maintaining Printers, Troubleshooting PC Hardware, Managing safety Hazards, Communication and Professionalism

Tools: PC Hardware, Hardware Monitoring Tools, Multi meters



Hardware Monitoring Tools

Detailed Syllabus:

KLiC Hardware Support

Introduction to IT Hardware

- Identifying System Unit Components
- Motherboard Overview
- Motherboards -Input-output Ports
- Motherboards Expansion Slots
- Motherboard buses
- Motherboards-CPU Sockets
- Understanding CPU Characteristics -Part 1
- Understanding CPU Characteristics -Part 2
- CPU Cooling Techniques
- Motherboards-Jumpers and Power Connectors
- Motherboards -Fans
- Multimedia Devices
- Display Cables and Connectors
- Identifying Storage Devices
- SATA Drives
- PATA Drives
- SCSI Drives
- RAID Drives -Part 1
- Understanding Laser Printers -Part 1
- Understanding Laser Printers -Part2
- Laser Printer Maintenance-Calibration & Cleaning
- Laser Printer -Toner Replacement & Maintenance Kits
- Understanding Inkjet Printers
- Inkjet Printer Cleaning and Maintanance
- Understanding Thermal Printers
- Understanding Impact Printers
- Setting up and Installing a Printer
- Installing Various Types of Hardware Components
- Assembling a PC

Overview of Laptop Hardware

- Laptop Hardware- Speakers, Motherboards & CPU
- Laptop Hardware-Memory & Optical Drives
- Laptop RAM and SSDs
- Laptop Components- Express Cards
- Laptop Components- Expansion Cards
- Tablets vs Laptops

Troubleshooting IT Hardware

- Working with BIOS
- Configuring BIOS settings
- Troubleshooting Hard Drives
- Troubleshooting Printers